

**MASTER  
NEGATIVE  
NO.94-82314- 14**

## **COPYRIGHT STATEMENT**

The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted materials including foreign works under certain conditions. In addition, the United States extends protection to foreign works by means of various international conventions, bilateral agreements, and proclamations.

Under certain conditions specified in the law, libraries and archives are authorized to furnish a photocopy or other reproduction. One of these specified conditions is that the photocopy or reproduction is not to be "used for any purpose other than private study, scholarship, or research." If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of "fair use," that user may be liable for copyright infringement.

The Columbia University Libraries reserve the right to refuse to accept a copying order if, in its judgement, fulfillment of the order would involve violation of the copyright law.

Author:

**U.S. Office of Production  
Management**

Title:

**10,000,000 ton steel  
expansion program...**

Place:

**[n.p.]**

Date:

**1941**

94-82314-14  
MASTER NEGATIVE #

COLUMBIA UNIVERSITY LIBRARIES  
PRESERVATION DIVISION

**BIBLIOGRAPHIC MICROFORM TARGET**

ORIGINAL MATERIAL AS FILMED - EXISTING BIBLIOGRAPHIC RECORD

Business

D320

Un365

U. S. Office of production management.  
10,000,000 ton steel expansion program  
authorized Sept. 30, 1941 by Supply priori-  
ties and allocations board; progress report  
on additional steel capacity for products  
necessary for defense [by] W. A. Hauck, steel  
consultant. 1941.  
cover-title, [6], 1. (chiefly tables)

1. Steel industry and trade - U. S.

RESTRICTIONS ON USE:

TECHNICAL MICROFORM DATA

FILM SIZE: 35mm

REDUCTION RATIO: 12X

IMAGE PLACEMENT:  IA  IIA  IB  IIB

DATE FILMED: 12-15-94

INITIALS: W.W

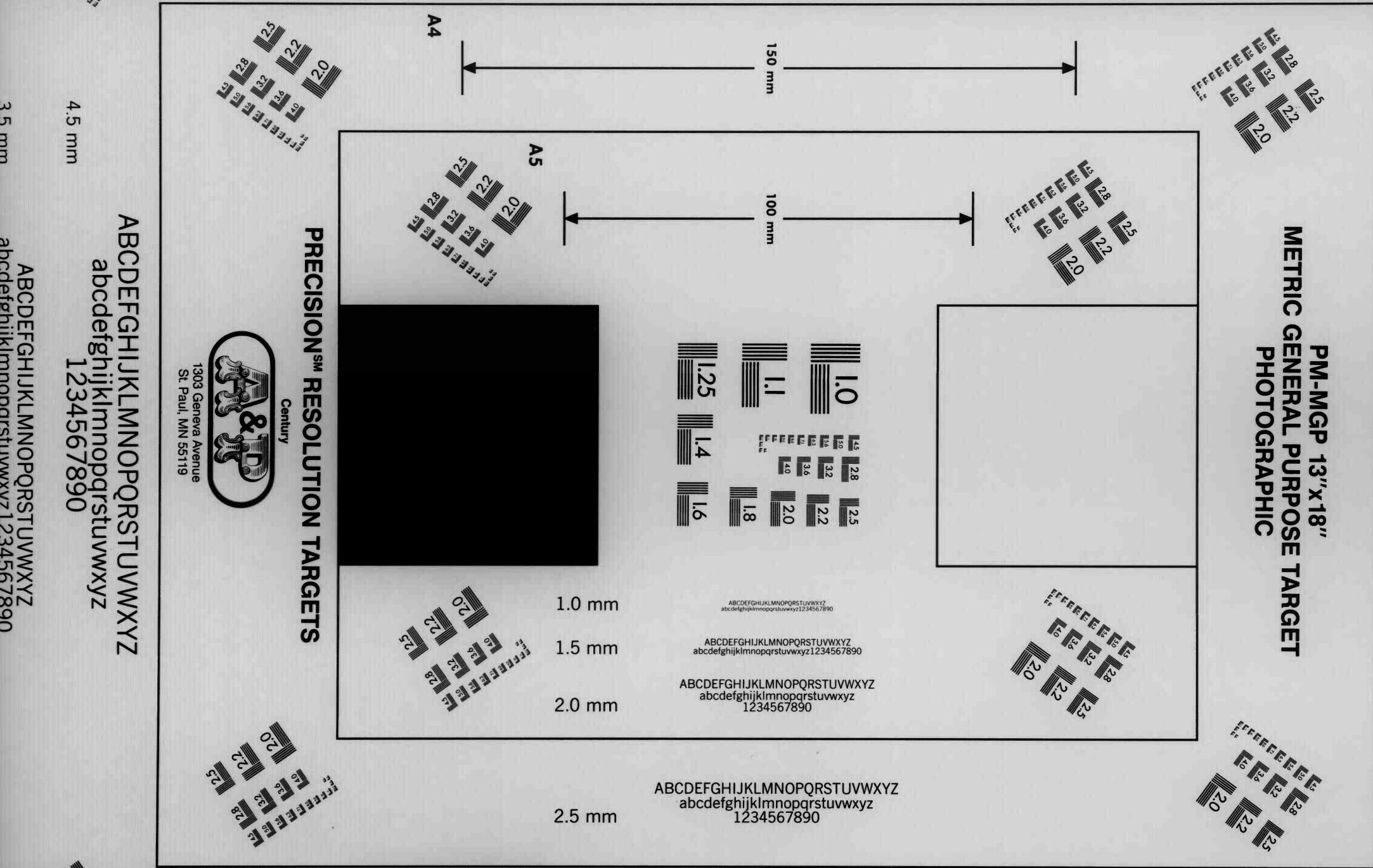
TRACKING #: MSH 03218

FILMED BY PRESERVATION RESOURCES, BETHLEHEM, PA.

# PM-MGP 13" x 18" METRIC GENERAL PURPOSE TARGET PHOTOGRAPHIC

2.0 mm  
1.5 mm

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
abcdefghijklmnopqrstuvwxyz1234567890



U. S. Office of Production  
Management  
10,000,000 tons steel expansion  
program

D320 - Un365

Columbia University  
in the City of New York

THE LIBRARIES



SCHOOL OF BUSINESS

*BWS*

10,000,000 TON STEEL EXPANSION PROGRAM

Authorized September 30, 1941 by  
SUPPLY PRIORITIES AND ALLOCATIONS BOARD

Progress Report  
on  
Additional Steel Capacity  
for  
Products Necessary for Defense

December 8, 1941

COLUMBIA  
UNIVERSITY

LIBRARY

W. A. Hanck

Steel Consultant

U.S. Office of Production Management

Business

D320

Un 365

AIGMULJOD  
YTISSAVINNU  
VRAARBLI

OFFICE OF PRODUCTION MANAGEMENT  
SOCIAL SECURITY BUILDING  
WASHINGTON, D. C.

December 8, 1941

MEMORANDUM

To: Mr. W. L. Batt

From: W. A. Hauck

Subject: Progress Report - 10,000,000 Ton Steel Expansion Program

BB 12/21/41  
JAN 21 1942  
Authorized by SPAB on September 30, 1941

Approximately 90% of the above steel expansion has now been arranged by definite programs with specific companies for steel products urgently needed for defense. These programs have been approved or are in process of being approved by O.P.M.

Attached is a statement of the above arranged expansion which summarizes as follows:

<u>Financing</u>	<u>Open Hearth Ingots</u>	<u>Bessemer Ingots</u>	<u>Electric Ingots</u>	<u>Total Ingots</u>	<u>Exhibit</u>
Defense Plant	5,906,819	110,000	1,475,680	7,492,499	"A"
Navy E.P.F.C. Company	- 1,271,600	- 110,000	84,000 156,000	84,000 1,427,600	"B" "C"
Total Tons	7,178,419	220,000	1,715,680	9,004,099	

Production from the above expansion will include steel for the following defense products on which there are now acute shortages:

Heavy Plates for Navy, Forged Armor, S. T. S. Armor Plates, Bars, Shapes, Heavy forgings, Shell Steel Alloy Strip, Alloy Sheets, Alloy Bars, Tank Armor Aircraft forgings, Aircraft Tubing, Propeller Plates

Included in the above expansion are facilities for the produc-

**FOR DEFENSE**  
tion and transportation (25 ore boats) of iron ore; also, for the production of coke. A large number (36) of new blast furnaces including coke

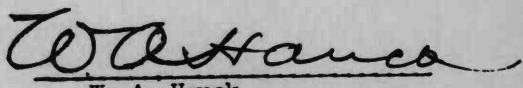


ovens, are also provided for the production of pig iron (a) to offset scrap shortage in order to fully utilize existing ingot capacity and (b) to service the new ingot capacity needed in the production of the above defense products. A separate Progress Report dated November 17, 1941 (previously submitted) on increasing pig iron capacity shows that the allocation of the above blast furnaces has been practically completed and is coordinated and balanced with the requirements of the 99,000,000 ton capacity now set as the goal for the steel industry.

Only 10% of the above steel expansion program remains to be definitely allocated. Additional programs for increasing capacity in existing plants are being analyzed and special attention is being given to the apparent necessity for more alloy steel capacity. Allocation of this remaining 10% should be completed within the next 30 days.

All of the above programs for Government financing have been or are in the process of being recommended by O.P.M. to the Defense Plant Corporation and a substantial amount of financing has so far been provided.

In my report of September 24, 1941, on steel expansion, I frequently emphasized the necessity for a mutually satisfactory formula for financing "scrambled facilities" and the necessity for adequate priority ratings on the expansion projects. Developments since that time emphasize the need of a further examination of the value of these two factors and their relation to the earliest completion of the Steel Expansion Program.

  
W. A. Hauck  
Steel Consultant

STEEL EXPANSION PROGRAM  
AUTHORIZED BY SPAB - SEPTEMBER 30, 1941  
PROJECTS APPROVED BY O.P.M. FOR DEFENSE PLANT CORPORATION FINANCING

Sheet #1  
December 8, 1941

Tentative Approval Number	Project Number	Company	Location Project	Estimated Cost	Financing Arranged	Increase in Capacity I N G O T S				Main Products	
						Pig Iron	Open Hearth	Bessemer	Electric		
	S- 1	U. S. Steel Corp.	Homestead, Pa. Duquesne, Pa.	\$ 85,000,000	Yes		1,740,000		100,000	1,740,000 100,000	Plates, Armor, Forgings Alloy Steel for Navy
	S- 2	Bethlehem Steel Co.	Bethlehem, Pa.	7,950,000	Yes	432,000					Pig Iron
	S- 2	Bethlehem Steel Co.	Steelton, Pa.	4,160,000	Yes						Coke
	S- 2	Bethlehem Steel Co.	Sparrows Point, Md.	11,755,000	Yes	468,000					Pig Iron
	S- 2	Bethlehem Steel Co.	Buffalo, N. Y.	9,140,000	Yes	432,000					Pig Iron
	S- 2	Inland Steel Co.	Indiana Harbor, Ind.	34,000,000	Yes	900,000					Pig Iron
	S- 2	Republic Steel Corp.	Cleveland, Ohio	26,590,000	Yes	900,000					Pig Iron
	S- 2	Republic Steel Corp.	Youngstown, Ohio	12,672,000	Yes	392,000					Pig Iron
	S- 2	Republic Steel Corp.	Port Henry, N. Y.	5,427,000	Yes						Iron Ore
	S- 2	Republic Steel Corp.	Gadsden, Ala.	10,323,000	Yes	280,000					Pig Iron
	S- 2	Republic Steel Corp.	Birmingham, Ala.	900,000	Yes						Coal
	S- 2	Republic Steel Corp.	Birmingham, Ala.	750,000	Yes						Iron Ore
	S- 2	Republic Steel Corp.	Fredericktown, Pa.	1,650,000	Yes						Coal
	S- 2	U. S. Steel Corp.	Braddock, Pa.	32,000,000	Yes	860,000	295,000			295,000	Pig Iron
	S- 2	U. S. Steel Corp.	Provo, Utah	35,000,000	Yes	725,000					Pig Iron
	S- 3	Bethlehem Steel Co.	Sparrows Point, Md.	22,772,000	Yes			180,000		180,000	Plates
	S- 4	Maritime Commission	Great Lakes	50,000,000	*						25 Ore Boats
	S- 5	Pittsburgh Coke & Iron Co.	Chester, Pa.	927,000	Yes	144,000					Pig Iron
TA- 1	P- 7	Republic Steel Corp.	Canton, Ohio	5,140,500	Yes				318,000	318,000	Tank Armor
TA- 3	P-10	American Rolling Mill Co.	Middletown, Ohio	584,000	Yes				43,200	43,200	Armor, Alloy Strip
TA- 4	P- 9	American Rolling Mill Co.	Ashland, Ky	842,000	Yes			144,000		144,000	Plates
TA- 6	P-11	Pacific Car & Foundry Co.	Seattle, Wash.	700,000	Yes						Castings
			Total Forwarded to Sheet #2	\$358,282,500		5,533,000	2,359,000		461,200	2,820,200	

\* First submitted to Maritime Commission, has not yet been submitted to D.P.C.

STEEL EXPANSION PROGRAM  
AUTHORIZED BY SPAB - SEPTEMBER 30, 1941  
PROJECTS APPROVED BY O.P.M. FOR DEFENSE PLANT CORPORATION FINANCING

Sheet #2  
December 8, 1941

Tentative Approval Number	Project Number	Company	Location Project	Estimated Cost	Financing Arranged	Pig Iron	Increase in Capacity INGOTS			Main Products	
							Open Hearth	Bessemer	Electric		
		Brought Forward From Sheet #1		\$358,282,500		5,533,000	2,359,000		461,200	2,820,200	
TA-7	P-8	Phoenix Iron Co.	Phoenixville, Pa.	500,000	Yes		50,000			50,000	Structural Shapes
TA-8	P-17	Ford Motor Co.	Detroit, Mich.	10,308,250		360,000	216,000			216,000	Pig Iron and Billets
TA-9		Granite City Steel Co.	Granite City, Ill	6,300,000			300,000			300,000	Plates
TA-10a	P-19	Babcock & Wilcox Tube Co.	Beaver Falls, Pa.	258,500	Yes				24,000	24,000	Aircraft and Tank Tubing
TA-10b	P-13	Babcock & Wilcox Tube Co.	Beaver Falls, Pa.	710,000	Yes						Tubing for Army & Navy
TA-11a	P-12	Copperweld Steel Co.	Warren, Ohio	3,500,000	Yes				120,000	120,000	Gun forgings and Alloy Bars
TA-11b	P-14	Copperweld Steel Co.	Warren, Ohio	500,000	Yes						Gun forgings and Alloy Bars
TA-11c	P-15	Copperweld Steel Co.	Warren, Ohio	600,000	Yes						Shell and Aircraft Steels
TA-14	P-18	Republic Steel Corp.	Chicago, Ill	43,500,000		384,000			504,000	504,000	Aircraft and Gun forgings
TA-15	P-20	Inland Steel Co.	Indiana Harbor, Ind.	930,000							Plates
TA-16	P-26	Superior Steel Products Co.	Monaca, Pa.	225,000	Yes						Aircraft and Tank Bars
TA-17	P-21	Jones & Laughlin Steel Corp.	Benson Mines, N. Y.	3,600,000		148,000					Pig Iron
TA-18	P-22	Jones & Laughlin Steel Corp.	Aliquippa, Pa.	5,290,000		116,000	105,000			105,000	Plates, Shapes, Shell Steel
TA-19	P-25	Youngstown Sheet & Tube Co.	Indiana Harbor, Ind.	1,900,000	Yes				120,000	120,000	Aircraft and Ordnance Alloy
TA-20	P-23	U. S. Steel Corp.	Provo, Utah	90,850,000		725,000	885,000			885,000	Plates
TA-20	P-23	U. S. Steel Corp.	Pittsburg, Calif.	6,600,000							Castings
TA-21	P-24	Sheffield Steel Corp.	Houston, Texas	22,670,855		245,000	304,819			304,819	Plates
TA-22		U. S. Steel Corp.	Duluth, Minn.	7,600,000		266,000	377,000			377,000	Shell Steel
TA-23		National Tube Co.	Gary, Ind.	17,600,000					125,400	125,400	Aircraft Tubing
TA-24	P-30	Globe Steel Tube Co.	Milwaukee, Wis.	499,300							Aircraft Tubing
TA-25	P-33	Ohio Seamless Tube Co.	Shelby, Ohio	423,272							Aircraft Tubing
TA-26		Wheeling Steel Corp.	Wheeling, W. Va.	18,582,000		472,000	188,000	110,000		298,000	Plates and Billets
		Total Forwarded to Sheet #3		\$601,229,677		8,249,000	4,784,819	110,000	1,354,600	6,249,419	

STEEL EXPANSION PROGRAM  
AUTHORIZED BY SPAB - SEPTEMBER 30, 1941  
PROJECTS APPROVED BY O.P.M. FOR DEFENSE PLANT CORPORATION FINANCING

Page #3  
December 8, 1941

Tentative Approval Number	Project Number	Company	Location Project	Estimated Cost	Financing Arranged	Pig Iron	Increase in Capacity			Total	Main Products
							Open Hearth	Bessemer	Electric		
		Brought Forward From Sheet #2		\$601,229,677		8,249,000	4,784,819	110,000	1,354,600	6,249,419	
TA-27	P-31	Pittsburgh Steel Co.	Allenport, Pa.	870,000							Aircraft Tubing, Tank Pins
TA-28	P-32	Texasteel Manufacturing Co.	Port Arthur, Texas	1,554,152			75,000		75,000	150,000	Shell forgings
TA-29	P-27	U. S Steel Corp.	Torrence, Calif.	800,000			91,000			91,000	Bars, Sheets, Structural
TA-29	P-27	U. S. Steel Corp.	Pittsburg, Calif.	3,592,000			91,000			91,000	Bars, Sheets
TA-30	P-29	Republic Steel Corp.	Beaver Falls, Pa. Gary, Indiana Massillon, Ohio	370,000							Shell and Aircraft Steels
TA-31		Colorado Fuel & Iron Co.	Pueblo, Colo.	18,726,000		335,600	192,000			192,000	Shell forgings and rails
TA-32		Eastern Rolling Mill Co.	Baltimore, Md	977,107					26,400	26,400	Armor, Propeller Plates
TA-33		Otis Steel Company	Cleveland, Ohio	16,352,892		393,500	313,000			313,000	Plates
TA-34		U. S Steel Corp.	Gary, Ind.	6,000,000							Coke
TA-35		Bethlehem Steel Co.	Los Angeles, Calif.	10,246,000			180,000			180,000	Shapes, Bars, Shell Steel
TA-35		Bethlehem Steel Co.	S. San Francisco, Calif.	2,655,000			120,000			120,000	Shapes and Bars
TA-35		Bethlehem Steel Co.	Seattle, Wash.	1,300,000			60,000			60,000	Shapes and Bars
TA-36		Jessop Steel Co.	Washington, Pa.	627,000					19,680	19,680	Armor Plate, Propeller Blades
		Total		\$665,299,828		8,978,100	5,906,819	110,000	1,475,680	7,492,499	

Exhibits "B" and "C"

STEEL EXPANSION PROGRAM

Exhibit

Ingot Tons

"B" PROJECT FINANCED BY NAVY THROUGH E.P.F. CONTRACT

Pacific States Steel Company, Niles, California

Electric Alloy Steel Capacity for Heavy Forging Ingots	84,000 (Elec.)
---	----------------

"C" PROJECTS FINANCED BY STEEL COMPANIES

(a) From Expansion Programs Submitted:

Northwest Steel Rolling Mill - Seattle, Wash.	32,000 (Elec.)
U. S. Steel Corporation - Torrance, Calif.	60,000 (O. H.)
Pittsburg, Calif.	120,000 (O. H.)
Gary, Indiana	300,000 (O. H.)
National Steel Co., Detroit, Michigan	<u>250,000</u> (O. H.)
	<u>762,000</u>

(b) From Application for Necessity Certificates:

Crucible Steel Co., Pittsburgh, Pa.	36,000 (O. H.)
Inland Steel Co., Indiana Harbor, Ind.	73,000 (O. H.)
The Stanley Works, Bridgeport, Conn.	18,000 (O. H.)
Inland Steel Co., Indiana Harbor, Ind.	400,000 (O. H.)
Carnegie-Illinois, Braddock, Pa.	14,600 (O. H.)
Northwestern Steel & Wire Co., Sterling, Ill.	50,000 (Elec.)
Babcock & Wilcox Tube Co., Beaver Falls, Pa.	24,000 (Elec.)
Oregon Elec. Rolling Mill Co., Portland, Ore.	<u>50,000</u> (Elec.)
	<u>665,600</u>

(c) Total Tons of Ingots 1,427,600

COLUMBIA UNIVERSITY LIBRARIES

This book is due on the date indicated below, or at the expiration of a definite period after the date of borrowing, as provided by the library rules or by special arrangement with the Librarian in charge.

GAYLAMOUNT  
PAMPHLET BINDER  
Manufactured by  
GAYLORD BROS. Inc.  
Syracuse, N. Y.  
Stockton, Calif.

COLUMBIA UNIVERSITY LIBRARIES  
0044267339

D320

Un365

D320

Un365

U.S. Office of production management  
10,000,000 ton steel expansion  
program ...

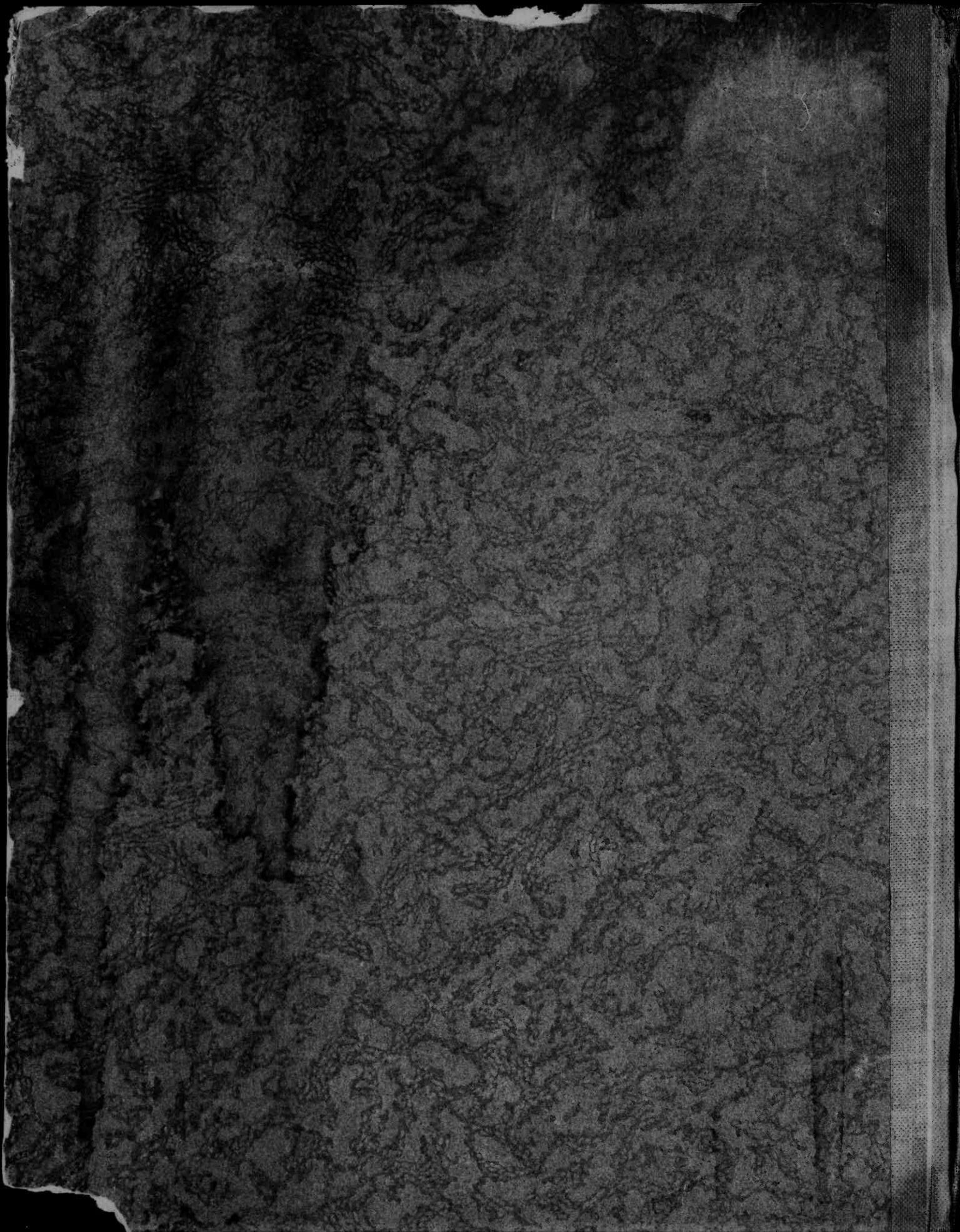
Pete Rossi  
MAY 24 1965 50 w 114 dw  
Tom Hawkinson 095048  
308 W. 30 SV (TF) N.Y.C.

MSH 03218

NEH

SEP 01 1994

FEB 21 1952



END OF  
TITLE